

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
28 April 2005 (28.04.2005)

PCT

(10) International Publication Number
WO 2005/037798 A3

(51) International Patent Classification⁷: **C07C 279/28**,
237/22, A61K 31/17, 31/165, A61P 25/04

PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(21) International Application Number:
PCT/US2004/033698

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

(22) International Filing Date: 14 October 2004 (14.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/511,577 16 October 2003 (16.10.2003) US

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted
a patent (Rule 4.17(ii)) for the following designations AE,
AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ,
CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE,
EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS,
JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM,
PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM,
ZW. ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA,
SD, SL, SZ, TZ, UG, ZM, ZW). Eurasian patent (AM, AZ,
BY, KG, KZ, MD, RU, TJ, TM). European patent (AT, BE,
BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR). OAPI patent
(BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
SN, TD, TG)
- as to the applicant's entitlement to claim the priority of the
earlier application (Rule 4.17(iii)) for all designations

(71) Applicant (for all designated States except US): **FER-
RING B.V.** [NL/NL]; Polaris Avenue 144, NL-2132 JX
Hoofddrop (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **CHANG, Chia-Ping**
[US/US]; 12866 Caminito Besi, San Diego, CA 92130
(US). **STALEWSKI, Jacek** [PL/US]; 10194 Wateridge
Circle, Unit 154, San Diego, CA 92121 (US). **RIV-
IERE, Pierre, J-M.** [FR/US]; 3993 Via Cangrejo, San
Diego, CA 92130 (US). **WISNIEWSKI, Kazimierz, A.**
[PL/US]; 12793 Via Terceto, San Diego, CA 92130 (US).
SCHTEINGART, Claudio, D. [US/US]; 6912 Fisk Ave.,
San Diego, CA 92122 (US).

(74) Agents: **BENT, Stephen, A.** et al.; **Foley & Lardner LLP**,
Washington Harbour, 3000 K Street, NW, Suite 500, Wash-
ington, DC 20007-5101 (US).

Published:

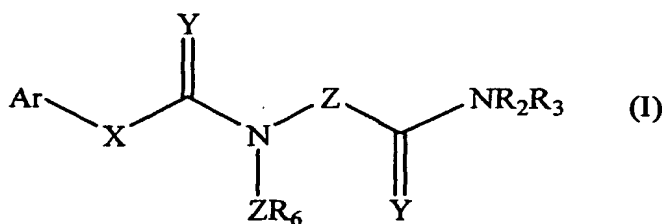
- with international search report

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,

(88) Date of publication of the international search report:
16 June 2005

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: AMIDE OR THIOMIDE DERIVATIVES AND THEIR USE IN THE TREATMENT OF PAIN



(57) Abstract: The present invention relates to novel
compounds, pharmaceutical compositions comprising
the same, use of said compounds for the manufacture
of a medicament for treatment of pain and disorders
related thereto as well as a method for treatment of pain
and disorders related thereto, wherein said compounds
are administered. The compounds are represented
by the general formula (I), as further defined in the
specification.